

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	22	(soft adj reference adj layer) and (heat)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/07/21 12:14
S2	3	(soft adj reference adj layer) and (heating adj element)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2005/09/16 09:40
S3	3	(soft adj reference adj layer) and (heating adj (element or layer))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2005/09/26 11:56
S4	55	(soft adj reference adj layer) and (coercivity)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2005/09/16 11:08
S5	86	(soft adj reference adj layer)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2005/09/16 11:08
S6	1230	(365/158).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/16 11:09
S7	23	S5 S6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2005/09/16 11:09
S8	19	S4 S6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2005/09/16 12:27

## EAST Search History

S9	26	((("5640343") or ("5224068") or ("5396455") or ("5444651") or ("5761110") or ("5933365") or ("5936882") or ("5953245") or ("5956295") or ("6016290") or ("20020089874") or ("20030123282") or ("20030198113")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/16 12:29
S10	6	(heat\$3 adj2 induc\$3) and MRAM	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2005/09/22 13:09
S11	10	((("6765821") or ("6683815") or ("6643168") or ("6469926") or ("5841692")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/22 07:39
S12	235	((heat\$3 or resist\$3) adj2 layer) and MRAM	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2005/09/22 10:47
S13	2	("6483741").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/22 10:47
S14	1	("20050169034").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/23 15:34
S15	299	reduce adj coercive adj force	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2005/09/23 15:35
S16	19	reduce adj coercive adj force MRAM	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2005/09/23 15:35

## EAST Search History

S17	243	(SHARMA-MANISH SHARMA-MANISH-CREARE-TOSHIB A-N SHARMA-MANISH-C-O-INTELLECTU AL SHARMA-MANISH-K).in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/26 11:32
S18	138	(365/141).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/10/03 07:42
S20	14	S18 heat\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2005/10/03 07:46
S21	641	(257/421).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/10/03 07:46
S22	180	S21 heat\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2005/10/03 07:50
S23	82	S22 memor\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2005/10/03 07:51
S24	49	S23 array	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2005/10/03 07:51
S25	47	S24 layer	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2005/10/03 08:08

## EAST Search History

S26	868	(365/173).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/10/03 08:08
S27	198	S26 heat\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2005/10/03 08:09
S28	126	S27 memor\$3 array layer	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2005/10/03 08:10
S29	1550	(365/171).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/10/03 08:10
S30	176	S29 heat\$3 memor\$3 array layer	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2005/10/03 08:10
S31	356	array (coerciv\$3 or anisotrop\$3) (MRAM) (heat\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/01/20 13:38
S32	27	array (coerciv\$3 or anisotrop\$3) (MRAM) (heat\$3 adj (layer or element))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/01/20 13:55
S34	1007	(thermal\$3 adj assist\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/01/20 13:40

## EAST Search History

S35	151	(thermal\$3 adj assist\$3) (MRAM or CMR or GMR or TMR)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/01/20 13:40
S36	67	(thermal\$3 adj assist\$3) (MRAM or CMR or GMR or TMR) array (coerciv\$3 or anisotrop\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/01/20 13:55
S37	62	(thermal\$3 adj assist\$3) (MRAM or CMR or GMR or TMR) array (coerciv\$3 or anisotrop\$3) (heat\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/01/20 15:34
S38	2	10/624175.app.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/01/20 13:44
S39	29	(thermal\$3 adj assist\$3) (MRAM or CMR or GMR or TMR) array (coerciv\$3 or anisotrop\$3) (heat\$3) (soft)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/01/20 14:59
S40	15	array (coerciv\$3 or anisotrop\$3) (MRAM) (heat\$3 adj (layer or element)) (soft)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/01/20 15:06
S41	10	(thermal\$3 adj assist\$3) (MRAM or CMR or GMR or TMR) array (coerciv\$3 or anisotrop\$3) (heat\$3 adj3 (data or free)) (soft)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/01/20 15:00
S42	4	"6385082".pn. or 10/128,838.app.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/01/20 16:30

## EAST Search History

S43	1626	(365/171).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/23 07:43
S44	1362	(365/158).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/20 16:30
S45	923	(365/173).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/20 16:31
S46	291	S43 soft	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/01/20 16:31
S47	100	S43 soft (heat\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/01/20 16:31
S48	134	S43 soft (heat\$3 or thermal\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/01/20 16:31
S49	98	S43 soft (heat\$3 or thermal\$3) (array)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/01/20 16:31
S50	95	S43 soft (heat\$3 or thermal\$3) (array) (coerciv\$3 or anisotrop\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/01/20 16:32

## EAST Search History

S51	15	S43 soft ((heat\$3 or thermal\$3) with ((data or soft or free) adj layer)) (array) (coerciv\$3 or anisotrop\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/01/20 16:34
S52	15	S44 soft ((heat\$3 or thermal\$3) with ((data or soft or free) adj layer)) (array) (coerciv\$3 or anisotrop\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/01/20 16:36
S53	14	S45 soft ((heat\$3 or thermal\$3) with ((data or soft or free) adj layer)) (array) (coerciv\$3 or anisotrop\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/01/23 07:37
S54	78	(coerciv\$3 or anisotrop\$3) with ((data or free) adj layer) with (reference adj layer)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/01/23 08:25
S55	17	((coerciv\$3 or anisotrop\$3) with ((data or free) adj layer) with (reference adj layer)).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/01/23 07:51
S56	7	((coerciv\$3 or anisotrop\$3) with ((data or free) adj layer) with (reference adj layer) (heat\$3 or thermal\$3)).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/01/23 07:51
S57	2	"20040136235".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/01/23 08:25
S58	3700	((365/158,171,173) or (257/421)).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/21 12:14

## EAST Search History

S59	25296521	@ad<"20040211"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/07/21 12:14
S60	188927	(coerciv\$4 or anisotrop\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/07/21 12:15
S61	885	(reduc\$3 or lower\$3 or decreas\$3 or minimiz\$3 or improv\$3) with S60 with (switch\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/07/21 12:25
S62	33416	local\$4 adj heat\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/07/21 12:16
S63	28	S59 S61 S62	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/07/21 12:18
S64	1	S58 S59 S61 S62	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/07/21 12:19
S65	34744	(reduc\$3 or lower\$3 or decreas\$3 or minimiz\$3 or improv\$3) with S60	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/07/21 12:25
S66	271	S60 with (reference adj layer)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/07/21 12:25



## EAST Search History

S67	23	S65 S66 S62	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/07/21 12:26
S68	7	S65 S66 S62 S58	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/07/21 12:27
S69	3	S65 S66 S62 S58 S59	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/07/21 12:27
S70	17	S65 S66 S62 S59	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/07/21 12:28
S71	8	((reference adj layer) with coercivity with lower with (data adj layer)). clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/07/21 15:25
S75	15	("6051851" "6163477" "6233206" "6404674" "6552926" "6339544" "6702186" "6764897" "6819586" "20010019461" "6930369" "6925003" "6028786" "3582912" "6188615").pn.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/07/21 15:28
S77	1	("04023293").pn.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/07/21 15:28
S88	1	pct/us00/40235	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/21 15:37